

MONDAY 26 SEPTEMBER 2016 – Pre-Congress Sessions

	Meeting Room 215	Meeting Room 217	Meeting Room 218	ISAGA Site Visit & Workshop
	SimHealth Master Class	SimHealth Master Class	SimTecT Master Class	ISAGA Site Visit & Workshop
0900-1245	<p>Working with Children in Simulation: The Practicalities and Ethics of Engaging with Simulated Patients Who are Children</p> <p>Presenter:</p> <p>Carrie Hamilton, Director, Education, Training and Innovation, SimComm Academy</p> <p>Overview:</p> <p>This Master Class will cover the question: 'Is this just nice to have?' Or, is engagement with children an essential part of simulation based education.</p> <p>The process of setting up a paediatric simulated patient program will be covered including resource identification, recruitment and selection, training, risks (including consent and ethics) and quality assurance. The principles of biomedical ethics (Beauchamp and Childress, 2009) will be used to guide the participants in making sense of perceived barriers.</p> <p><i>(Please note that no lunch will be provided at the end of this Master Class)</i></p>	<p>Designing a Medical Education Translational Science Research Program</p> <p>Presenter:</p> <p>Prof William McGaghie, Professor, Medical Education, Northwestern University Feinberg School of Medicine</p> <p>Overview:</p> <p>This Master Class will have several brief, structured presentations about research goal setting, research planning, and fundamentals of team science. Participants will be in thematic working groups, involved in research program goal setting and planning, giving and receiving peer feedback and reaching agreement about realistic research goals given constraints of time and money.</p> <p><i>(Please note that no lunch will be provided at the end of this Master Class)</i></p>	<p>Leading in Context – Understanding Conditions of Inherent Uncertainty</p> <p>Presenter:</p> <p>Prof Dave Snowden, Chief Scientific Officer, Cognitive Edge and Founding Director, Centre for Applied Complexity, Bangor University</p> <p>Overview:</p> <p>The myth of the great leader pervades popular management literature with the majority of cases more often being a result of being in the right place at the right time and being lucky rather than the result of any innate or replicable qualities. Snowden's award winning HBR cover article on Leadership was one of the first to advocate a contextual approach to understanding the role of leadership. Participants in this Master Class will be introduced to frameworks that allow both dictatorial and servant styles of leadership to be understood and brought into play. Methods and tools to engage the whole of the workforce in distributed decision support will be introduced. An antidote to the simplistic recipes of too many approaches to leadership development, the Master Class will allow delegates to understand both the theory and practice of leadership as an adaptive, agile and resilient response to inherent uncertainty.</p> <p><i>(Please note that no lunch will be provided at the end of this Master Class)</i></p>	<p>Overview:</p> <p>Melbourne is the capital of many things, (like sports and coffee) but did you know that they are also the gaming capital of Australia? 48% of the industry is located within Victoria, thanks to the generous support of the various local government schemes. They also host many gaming related events and venues such as Freeplay, GCAP, PAX AUS and the ACMI. Melbourne continues to show off the best that the industry has to offer, culminating in their International Gaming Week in November.</p> <p>This tour will highlight some pivotal gaming areas that help contribute to this culture, and allow the gaming industry to be as strong as ever here in Australia. The sites scheduled are world leaders in their fields, covering Virtual Reality, Serious Games and Collaboration, all fostering growth within the industry.</p> <p>The sites to be visited are Opaque Multimedia, Big Ant, The Arcade and Zero Latency. All exhibit how powerful games as a medium can be for reaching your audience and conveying information. Demonstrating their ability for collaboration with other industries in creating amazing works that Australia can be proud of.</p> <p>The tour is open to everyone willing to look at simulation from a different perspective and interested in how serious games may help their business or academic studies to better overall participation and results.</p> <p>The first visit to Opaque will demonstrate the influence of serious games and what companies can do when collaborating with academic and industry bodies.</p> <p>The second part of the tour will look at the workforce of the games industry, focusing on two different areas - Big Ant and The Arcade. During this visit, you will get to see and hear from some of the tenants and employees at both sites, see the talent we have here in our own backyard and hear about the growing gaming industry.</p> <p>The tour will conclude with a visit to Zero Latency which will show off Virtual Reality and Virtual Worlds in all their glory. This visit will allow you to experience the system for yourself to gain a better understanding of the power of virtual worlds.</p> <p>For further information on the sites to be visited, please see www.simulationcongress.com/gaming-site-visit-workshop.</p> <p>Time: 0900-1800</p> <p>Location: Pick up and drop off is from the Melbourne Convention and Exhibition Centre</p>
	Meeting Room 215	Meeting Room 217	Meeting Room 218	
	SimTecT Master Class	SimTecT Master Class	SimHealth Master Class	
1315-1700	<p>Principles and Practice of Evacuation Simulation</p> <p>Presenter:</p> <p>Prof Edwin Galea, Director, Fire Safety Engineering Group (FSEG) and Vice Chairman, International Association of Fire Safety Science, University of Greenwich</p> <p>Overview:</p> <p>Multi-agent evacuation simulation enables the prediction of human behaviour and performance during emergency evacuation – predicting likely evacuation times, identifying potential bottlenecks and, in extreme cases, predicting likely numbers of fatalities and injuries. In this way the layout can be optimised, while it is in the early design phase, avoiding costly modifications later, when the structure is built. To develop a good evacuation model we need real world data to identify relevant behaviours and to calibrate our models. Generating this data is challenging – logistically, technically, ethically and politically. This Master Class will discuss some of the data used to identify and quantify human performance and behaviour underpinning evacuation simulation and how we use this to develop and then utilise evacuation simulation for buildings, aircraft, ships, trains and even the larger urban environment. Examples will include issues associated with the evacuation of the mobility impaired with applications not only to hospitals and care facilities but the general built environment.</p> <p><i>(Please note that no lunch will be provided at the beginning of this Master Class)</i></p>	<p>Network Attack Simulation: An Enabler for Cyber Situational Awareness Analytics and Training</p> <p>Presenter:</p> <p>Dr Shanchieh Jay Yang, Professor and Head of Computer Engineering, Kate Gleason College of Engineering, Rochester Institute of Technology</p> <p>Overview:</p> <p>This Master Class will consist of three components: an overview of history and advances in network attack simulation and their uses in Cyber Situational awareness; an introduction and demonstration of CASCADERS (Cyber Attack Scenario And Network DEfense Simulator); and an interactive section to discuss the benefits and limitations of network attack simulation for cyber training and analytics.</p> <p><i>(Please note that no lunch will be provided at the beginning of this Master Class)</i></p>	<p>Promoting Excellence via Augmented Reflective Learning in Simulation (PEARLS) – A Blended Approach to Debriefing</p> <p>Presenter:</p> <p>Dr Adam Cheng, Director, Research and Development, KidSIM Simulation Program, Alberta Children's Hospital, Department of Paediatrics, University of Calgary</p> <p>Overview:</p> <p>This Master Class introduces attendees to a novel framework for debriefing which blends 3 existing methods of debriefing into one integrated approach. Using "Promoting Excellence via Augmented Reflective Learning in Simulation" or the PEARLS blended methods approach, facilitators will be able to appropriately select the ideal method of debriefing with decision support. The Master Class offers the opportunity for attendees to practice the PEARLS method of debriefing with the aid of an integrated debriefing tool.</p> <p><i>(Please note that no lunch will be provided at the beginning of this Master Class)</i></p>	

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		Meeting Room 206
Session 1	0900-1045	
Morn. Tea	1045-1100	
		Meeting Room 206
		ISAGA Workshop
Session 2	1100-1245	<p>423</p> <p>Generating Safe Error Rich Training Environments</p> <p>Overview:</p> <p>By generating a safe error rich training environment, participants are given the opportunity to practice and refine the core skills and strategies that often fail in the prelude to sentinel events. Instead of judging participants on their ability to prevent failure, participants develop their ability to identify error and address failure. Other industries that rely on high frequency of inter-personal communication or incomplete or unreliable information for decisions (e.g. crisis resource and disaster management – both civilian and military and management, political and financial or economic strategy) are invited to participate in or observe this training and contribute other ideas and strategies that fulfil the brief of a psychologically safe simulation.</p> <p>Presenter:</p> <p>Nick Argall, Independent Developer</p> <p>Dr Steve Costa, Ballarat Health Services</p>
Lunch	1245-1315	
		Meeting Room 206
		ISAGA Workshop
Session 3	1315-1500	<p>467</p> <p>Maintaining the Suspense - Facilitating Simulations so that the Debriefing Continues the Learning</p> <p>Overview:</p> <p>Simulation is a complex process which parallels life in most respects – but can be managed and reflected on in ways that life cannot be so readily assessed or re-worked. This long workshop will introduce participants to a multi-layered approach to conducting the debriefing process. The process assumes that participants have some knowledge of simulation structures and processes and will use short activities to create experiences for post-action analysis.</p> <p>Debriefing is a complex issue. To reduce that complexity this work introduces a 3x3 matrix aligning debriefing methods with timing of debriefing. Participants will experience activities and be able to try out various timings and methods for conducting debriefings.</p> <p>Debriefing can occur a) during an activity; b) immediately afterwards; c) when related activities are complete</p> <p>Debriefing can be – a) practical and physical; b) verbal and discursive; c) written and analytical</p> <p>This workshop takes participants on a journey through the matrix of possibilities, using a range of activities to develop insights into which debriefing format best suits particular learning outcomes or organisational goals.</p> <p>Presenters:</p> <p>Bill Roungeas, TU Delft</p> <p>Prof Elizabeth Tipton, Eastern Washington University</p> <p>Marieka De Wijse, TU Delft</p>
Aft. Tea	1500-1515	
		Meeting Room 206
		ISAGA Workshop
Session 4	1515-1700	<p>467</p> <p>Maintaining the Suspense - Facilitating Simulations so that the Debriefing Continues the Learning (Continued)</p> <p>Presenters:</p> <p>Bill Roungeas, TU Delft</p> <p>Prof Elizabeth Tipton, Eastern Washington University</p> <p>Marieka De Wijse, TU Delft</p>

Meeting Room 208

ISAGA Plenary

ISAGA Opening and Welcome

Marcin Wardaszko, Assistant Professor, Director, Center for Simulation Games and Gamification, Kozminski University

Opening Address

The Future of Medical Simulation: It's All About Leadership, Proficiency, Measurement and Evidence-based Education

Speaker:

Prof Richard Satava, Professor of Surgery, University of Washington Medical Center

Overview:

Medical simulation has reached a plateau, as is the case with almost every new innovative technology. In the 1990s and the first decade of 21st century, the introduction of simulators to train medical and surgical skills began, riding on the success in other industries and the new developing technologies, such as virtual reality, computer-driven manikins, 3-D printing, serious games and others. Initial enthusiasm about the simulators waned as it became apparent that medical training was mainly about the curriculum (educational content) not the technology. Innovation in developing new curricula, educational processes and assessment methods, supported by the technologies, provided a temporary rejuvenation of interest in simulation and educational games. But it was not until the leadership in healthcare embraced the changes and advantages which simulation could provide, and boldly championed them, that further progress in simulation was possible. Not surprisingly, simulation also revolutionized the training of leadership skills. These changes require a rigorous approach to education using proficiency standards, quantitative measures, stringent assessment tools and certification. Now, simulation is the new training tool that provides the evidence of improvement in skills performance, which results in a measurable improvement in patient safety. It is now clear that through simulation, the future of evidence-based education will further transform the future of evidence-based medicine.

ISAGA Membership Meeting

Meeting Room 208

ISAGA Free Papers

Simulation and Learning

Chair: Anna Maria Carrera, Royal Adelaide Hospital

710

Long Oral Presentation

Pitfall for Debriefing Games and Simulations: Theory and Practice

Bill Roungas, TU Delft

714

Long Oral Presentation

Building 'Safe Containers' for Effective Learning

Anna Maria Carrera, Royal Adelaide Hospital

727

Long Oral Presentation

The Tango and Tarantino – Creating Authentic Emotion

Deanna Hutchinson, Diverse Disruption

728

Long Oral Presentation

Simulation and Games on a Shoestring

Tom Benjamin, Open Learning

Meeting Room 208

ISAGA Free Papers

Diversity

Chair: Todd Mason, Simulation Manager, Northern Health

527

Long Oral Presentation

The Effectiveness of Negotiation Games in Citizenship Education; Through An Examination of Diplomatic Negotiation Game INDEPENDENCE DAY in A Japanese High School

Baba Hiroki, Graduate School, Kobe University

644

Long Oral Presentation

A Study on Gaming Simulation as a Key of Meta-frame of Planning for Neighbourhood Immigrant Integration and Co-existing Diversity

Pongpisit Huyakorn, University of Sassari

701

Long Oral Presentation

From Recreational to Clinical Approaches: The Use of the Ludic Program Cuatro Tribus as a Complementary Tool for the Reintegration Treatment of Juvenile Offenders

Alfonso Atala Layun, Dinamita

Meeting Room 208

ISAGA Free Papers

Simulation and Organisations

Chair: Marcin Wardaszko, Assistant Professor, Director, Center for Simulation Games and Gamification, Kozminski University

649

Long Oral Presentation

Successful Design and Application of Games and Simulations in Real-World Settings: a Holistic Approach to Scaling Project-Oriented Problem-Based Learning University-Wide

Benita Ann Rowe, Technical University of Cologne

698

Long Oral Presentation

Building Strategies for Organisational Development with Simulation Games

Marcin Wardaszko, Kozminski University

466

Long Oral Presentation

Assessment and Evaluation of Learning via Simulation - an Exploration of Concepts

Dr Elysabeth Leigh, FutureSearch

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		Plenary 3			
		Joint Opening Plenary			
Session 1	0830-1000	Simulation Australasia Welcome Dr Mike Brennan, Chair, Simulation Australasia	Welcome to Country Arweet Carolyn Briggs, Senior Boon Wurrung Elder and Traditional Owner, Boon Wurrung Foundation	Congress Opening Major General Gus McLachlan, Head of Modernisation and Strategic Planning, Australian Army	Keynote Presentation A Sense of Time and Place Speaker: Prof Dave Snowden, Chief Scientific Officer, Cognitive Edge and Founding Director, Centre for Applied Complexity, Bangor University
Morn. Tea	1000-1030				
		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		SimHealth Plenary	SimTecT Workshop	SimTecT Presentation & Free Papers	SimTecT Free Papers
Session 2	1030-1200	Medical Education Research as Translational Science Chair: Julian van Dijk, Convenor, SimHealth and Director, Clinical Education and Simulation, St Vincent's Hospital Keynote Presentation Speaker: Prof William McGaghie, Professor, Medical Education, Northwestern University Feinberg School of Medicine Overview: This presentation will trace the simulation-based medical education research pathway from clinical skill acquisition in the learning laboratory to improved patient care practices and better patient outcomes. Collateral effects from rigorous medical education interventions will also be addressed. Mastery learning and deliberate practice are key concepts that underlie this work. Medical education translational science stems from research programs that are thematic, sustained, and cumulative. The address will conclude with a statement about attributes of productive academic teams. Panellists: A/Prof Victoria Brazil, Emergency Physician, Director of Clinical Simulation, Bond University A/Prof Stuart Marshall, Specialist Anaesthetist, Clinical Director, Australian Centre for Health Innovation Prof Debra Nestel, Professor of Simulation Education in Healthcare, Monash University	552 Towards Effective Team Training - Challenges and Opportunities Chair: Jawahar Bhalla, Manager, Solutions and Technologies, CAE Asia Pacific Overview: A forum to discuss the challenges and opportunities of stepping up from individual procedures/proficiency focused training to joint/collective team training and on into the Live, Virtual and Constructive Simulation (LVCS) domain. Presenters: Dr Teresa Crea, Centre for Creative and Cultural Research, University of Canberra CMDR Daniel Crocker, Navy Modelling and Simulation Office LTCOL Kane Mangin, Army Head Quarters WGCdr Mick Tully, Royal Australian Air Force	Human Dimensions in Simulation Chair: Dr Anjum Naweed, Scientific Convenor, SimTecT and Senior Research Fellow, CQUniversity Presentation – Long Simulating Driving for use with Older and/or Disabled Adults: What Works Best? Speakers: Pam Ross, Occupational Therapist, Epworth Hospital and Monash University Prof Carolyn Unsworth, Professor, Occupational Therapy, CQUniversity 687 Oral Presentation – Long Paper Making Virtual Sense: Display Type and Narrative Medium Influence Sensemaking in Virtual Environments Sarah Hibbard, Consilium Technology 486 Oral Presentation – Long Paper Exploring Avatar Facial Fidelity and Emotional Expressions on Observer Perception of the Uncanny Valley Karen Blackmore, University of Newcastle	Modelling and Simulation Chair: Dr Raymond Matthews, Co-Scientific Convenor, SimTecT and Research Fellow, Appleton Institute, CQUniversity 522 Oral Presentation – Short Paper A Conceptual Model for Human-Agent Collaboration Based on the BDI Model of Agency Salma Noorunnisa, CQUniversity 515 Oral Presentation – Short Paper Fast Cascaded Shadows in Synthetic Environment Andrey Kirsanov, University of New South Wales @ Australian Defence Force Academy 509 Oral Presentation – Short Paper An AnyLogic Simulation Model for Performance and Risk Analysis of Six Sigma Ali Faraj Ahmed, University of New South Wales 659 Oral Presentation – Long Paper Carving Morphogenetic Prototypes with a Katana Brett Abroe, University of South Australia 629 Oral Presentation – Short Paper A Modular Approach to Dynamic Modelling for Capability Planning Dr Sondoss Elsayah, University of New South Wales
Lunch	1200-1330				
		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
				International Guests Luncheon	
	1200-1300			Closed Session - Invite Only	

Overview:

Are we confusing simulation with prediction as many evidence based approaches have confused correlation with causation? In what contexts can we assume knowable outcomes and where are such assumptions dangerous? What is the nature of human decision making both individually and in social contexts? How do designers – of scenarios, mission rehearsal, exercises, etc. – account for human nature in their creations? What might be missed if any of those confusions lead designers –and users – into drawing false conclusions about intentions, usage and outcomes? What frames of knowledge are relevant to different design parameters? And how do these influence all parties involved? This keynote presentation will explore how unique contexts require unique methods and tools.

Meeting Room 209	Meeting Room 216	Meeting Room 217	Meeting Room 218	Exhibition Hall
ISAGA Free Papers	SimTecT Free Papers	ISAGA Free Papers	ISAGA Panel	DMT Precinct (Booth 40)
Transport and Mining Chair: Deanna Hutchinson, Congress Executive, Australasian Simulation Congress and Founder, Diverse Disruption 625 Oral Presentation – Long Paper Addressing Challenges of Planning in Multimodal Transportation Nodes with Simulation Games Maria Freese, German Aerospace Center (DLR) 712 Oral Presentation – Long Paper Supporting Energy Efficient Train Operation by Using Gamification to Motivate Train Drivers Małgorzata Krystyna Ćwil and Witold Bartnik, Kozminski University 725 Oral Presentation – Long Paper A Qualitative Evaluation of the Role of Virtual Reality as a Safety Training Tool for the Mining Industry Shiva Pedram, University of Wollongong 726 Oral Presentation – Long Paper Moving Hands and Feet – Reflecting on High Fidelity Motion and Haptic Feedback in Heavy Equipment Simulation in Mining Deanna Hutchinson, Diverse Disruption	Standards and Architectures Chair: Dr Michael McGarity, Co-Convenor, SimTecT and Chief Engineer, Northrop Grumman 674 Oral Presentation – Long Paper Emerging Architectural Requirements for Defence Distributed Simulations Steven Foley and Max Britton, Australian Defence Simulation and Training Centre 531 Oral Presentation – Long Paper An Introduction to Using Docker in Support of HLA Federations Anthony Cramp, Defence Science and Technology Group	Software Design Chair: Todd Mason, Simulation Manager, Northern Health 702 Long Oral Presentation Applicable Ideas from Software Development to Increase Sustainability of Game as Intellectual Asset Ryoju Hamada, Thammasat University 711 Long Oral Presentation Influence of Avatar Attractiveness on Learning in Mobile Quiz Game Blazej Podgorski, Kozminski Univesity 426 Long Oral Presentation The Game of Simulation Development Todd Mason, Northern Health	Serious Games Showcase and Challenge Australasia Presents: Finalists 2016 and 5th Year Celebrations Chair: Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre Overview: This session provides an opportunity for the finalists to explain their game, and give them a chance to show a short video to the audience. The presentation will explain how they came to enter into the Serious Games Showcase & Challenge and their ideas behind making the game for more than just entertainment. In this workshop, attendee's will be invited to come and listen to previous Australasia winners of the Serious Games Showcase & Challenge. You will hear about their trip to Orlando, their experiences while overseas and some of the opportunities that have arisen since being declared the Australasian winners. Panellists: 2016 SGSCA Finalists 2015 Student Winner - Hacknet Matt Trobbiani, Founder, Team Fractal Alligator 2014 Industry Winner - Sound Scouts Carolyn Mee, Managing Director, cmee4 Productions 2013 Industry Winner - White Card Game Dale Linegar, Managing Director, Oztron Media 2012-2013 SGSCA Organiser John Welsh, Chief Executive Officer, The Serious Games Consultancy and Project Manager, BMS-SIM and Training, Elbit Systems of Australia	(1030-1100) STARTEX Overview: A start of exercise briefing will be held at Booth 40 - Exercise CONtrol (EXCON) to brief the audience on the DMT/VIRPAC 2016 concept, training and technical objectives. During this phase the key control systems will be brought online and shown as a way to kick-off the event. DMT Precinct (Booth 40) (1115-1200) Vignette 1: Amphibious Assault/Manoeuvre Overview: The Australian Amphibious Task Group (ATG) conducts a lodgement utilising both helicopter and surface assault elements. They are opposed by a force of separatists. The task force must complete the opposed lodgement successfully in order to force posture for subsequent operations.
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		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		ISAGA Plenary	SimTecT Workshop	SimHealth Free Papers	SimTecT Panel Debate
Session 3	1330-1500	<p>The Art of Ephemeral Science - From Participatory Modelling to Serious Gaming</p> <p>Chair: Marcin Wardaszko, Assistant Professor, Director, Center for Simulation Games and Gamification, Kozminski University</p> <p>Keynote Presentation</p> <p>Speaker:</p> <p>Prof Pascal Perez, Director, SMART Infrastructure Facility, Faculty of Engineering & Information Sciences, University of Wollongong</p> <p>Overview:</p> <p>This keynote will explore how the convergence of socio-environmental system modelling and serious gaming is challenging positivist and reductionist viewpoints. This convergence creates a far more ambitious and effective way for users of computer models to better inform policy decisions and contribute to societal awareness. The accompanying shift from expert system to mediating object will also force us all to re-assess the intrinsic value of computer models and their temporality. Socio-environmental system (SES) modelling has long been a prominent paradigm that inherently acknowledges the capacity of designer(s) to define the boundaries of the system under study and to observe its intimate workings. However, sociologists and philosophers are questioning the positivist status quo that dominates these people-centric models in general and agent-based simulations in particular. From a fringe element in the late 90s, constructivism is becoming a dominant framework for modern modelling: building models of people, with people, for people. This presentation will track some of those changes and explore the implications of factors influencing the trends in socio-technical modelling of human society.</p>	<p>661</p> <p>Simulating Safety in Simulation - a Live Multi-Disciplinary Simulation and Workshop on Creating a Safe Container</p> <p>Chair: Dr Teresa Crea, Simulation Consultant and Post-Doctoral Research Associate, Centre for Creative and Cultural Research, University of Canberra</p> <p>Overview:</p> <p>This workshop will demonstrate the potential for physical and psychological dangers in simulations and considers strategies and mechanisms for mitigation through a cross industry discussion.</p> <p>Presenters:</p> <p>Ben Krynski, Real First Aid</p> <p>Kevin Heveldt, Engineering Simulator Training Centre</p> <p>Marc Lyons, Building Leadership Simulation Centre</p> <p>Anna Maria Carrera, Royal Adelaide Hospital</p> <p>Dr Cameron Knott, Monash University</p> <p>Dr Anjum Naweed, CQUniversity</p>	<p>Patient Safety</p> <p>Chair: Daniel Seller, Allied Health Simulation Fellow and Physiotherapist Cardiothoracics, ICU, Wellington Regional Hospital</p> <p>637</p> <p>Simulation to Inform and Improve Hospital Cleaning and Food Services Delivery in High Risk Patients: A Quality Improvement Initiative</p> <p>Nadine Sarah Gwendoline Alcorn, Kids Simulation Australia</p> <p>612</p> <p>Using Simulation to Support Practice Change in Workflows with the Introduction of Electronic Medication Management (eMM)</p> <p>Rachael Worthington, Kids Simulation Australia</p> <p>593</p> <p>Pilot Testing of a National Multidisciplinary Operating Room Simulation Intervention to Improve Patient Safety</p> <p>Dr Jane Torrie, The University of Auckland</p> <p>487</p> <p>Is the Assessment of Physiotherapy Practice Tool Valid in Clinical Simulation?</p> <p>Belinda Karyn Judd, The University of Sydney</p>	<p>Exploring the Semantics and Pragmatics in Modelling and Simulation</p> <p>Chair: Jan Roche, Simulation Director, Chameleon Simulation Centre, Medical Education Unit, University of Newcastle</p> <p>Overview:</p> <p>What do we mean when we say that we 'do modelling' or 'engage in simulation'? Do we all strive for 'fidelity', or even know and agree what that means? Are there legitimate reasons for using different terms in modelling and simulation? Are we being too esoteric? Do you believe we can have a 'language in common'? This panel will debate - "As a community, do we need to define our key terms?" Come ready to engage and reflect - how can we improve the ways we communicate our ideas to each other and the world at large?</p> <p>Team (For)</p> <p>Dr Elysabeth Leigh, Director, FutureSearch</p> <p>Prof Edwin Galea, Director, Fire Safety Engineering Group (FSEG) and Vice Chairman, International Association of Fire Safety Science, University of Greenwich</p> <p>Peter Morrison, Co-CEO, Bohemia Interactive Simulations</p> <p>Team (Against)</p> <p>Prof Dave Snowden, Chief Scientific Officer, Cognitive Edge and Founding Director, Centre for Applied Complexity, Bangor University</p> <p>A/Prof Marcus Watson, Executive Director, Clinical Skills Development Service</p> <p>Deanna Hutchinson, Congress Executive, Australasian Simulation Congress and Founder, Diverse Disruption</p>

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Aft. Tea	1500-1530				
		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		Joint SimTecT and SimHealth Plenary Panel Discussion			ISAGA Free Papers
Session 4	1530-1700	<p>Customising Healthcare Utilising Modelling and Simulation</p> <p>Chairs: Rachel Altmann, Manager, Industry Development and Strategy, Victorian Department of Health and Human Services and Nicole Jones de Rooy, Convenor, SimTecT</p> <p>Overview:</p> <p>Pioneers in their fields, each panellist is at the frontier of modelling and simulation to advance individualised healthcare. From intuitive visual interfaces for interacting with healthcare data, to customising surgery through modelling procedures prior to operating, developing medical devices, imaging, robotics and 3D printing. Panellists will provide an insight into their research and developments to date and will discuss future applications, challenges and the benefits for patients.</p> <p>Panellists:</p> <p>Prof Richard Satava, Professor of Surgery, University of Washington Medical Center</p> <p>Prof Peter Barlis, Interventional Cardiologist, St Vincent's Hospital</p> <p>Prof Sunita Chauhan, Professor, Department of Mechanical and Aerospace Engineering and Director, Mechatronics Program, Monash University</p>			<p>Leadership</p> <p>Chair: Dr Cory Wright-Maley, Assistant Professor, Education, St Mary's University</p> <p>609</p> <p>Long Oral Presentation</p> <p>Soft Overcomes Hard: Simulation Leadership as Mediation of Choice Architectures</p> <p>Dr Cory Wright-Maley, St Mary's University</p> <p>683</p> <p>Long Oral Presentation</p> <p>From Brynania to Business: Adapting a Blended Peacebuilding Simulation Design for Leadership Education</p> <p>Nancy Colleen Nowlan, Simon Fraser University</p> <p>671</p> <p>Long Oral Presentation</p> <p>New Developments in Naval Collective Training - The Hobart Class Destroyer Command Team Trainer</p> <p>Fritz Eduard Hardtke, Raytheon Australia</p> <p>713</p> <p>Long Oral Presentation</p> <p>"Polyphonic Games" for Leadership Training</p> <p>Natalia Isaeva, National Research University</p>
Evening					
		Exhibition Hall, Bays 11 and 12			
		Social Function			
	1700-1900	<p>Congress Welcome Reception</p> <p>SimFringe Speed Networking (1730-1830)</p>			

Meeting Room 209	Meeting Room 216	Meeting Room 217	Meeting Room 218	Exhibition Hall
ISAGA Free Papers			ISAGA Workshop	DMT Precinct (Booth 40)
<p>Business Games</p> <p>Chair: John Welsh, Chief Executive Officer, The Serious Games Consultancy and Project Manager, BMS-SIM and Training, Elbit Systems of Australia</p> <p>707</p> <p>Long Oral Presentation</p> <p>Simulation and Gaming in New Product Development</p> <p>W.M.Ruvini M. Weerasinghe, Thammasat University</p> <p>668</p> <p>Long Oral Presentation</p> <p>Milk Product Supply Chain Management Game for Waste Reduction</p> <p>Hajime Mizuyama, Aoyama Gakuin University</p> <p>696</p> <p>Long Oral Presentation</p> <p>Identifying Moral and Ethics Underground for Business Ethics Teaching in a Simulation Context</p> <p>Luiz Antonio Titton, University of Sao Paulo</p> <p>703</p> <p>Long Oral Presentation</p> <p>Development of Business Simulation Game with Use of Design Science Research</p> <p>Michal Jakubowski, Kozminski University</p>			<p>697</p> <p>SysTeamsChange® - Simulation Game for Leadership and Change Management</p> <p>Overview:</p> <p>This workshop will discuss the design, facilitation and debriefing of the simulation game SysTeamsChange. Participants will be given the opportunity to have a short demo play experience. Case examples will be presented of the application of the game for university students, change management consulting in companies, executive training, leadership coaching and for the support of large transformation processes of organisations. The presenters will show how the game artefact (design in the small) is interconnected with the change of organisations and dysfunctional situations (design in the large) according to Klabbers terminology. They will discuss how the design was carried out according to the model of Duke and Geurts.</p> <p>Presenter:</p> <p>Prof Willy Kriz, Vorarlberg University of Applied Sciences</p> <p>Werner Manahl, Vorarlberg University of Applied Sciences</p>	<p>(1530-1615)</p> <p>Vignette 4: Non-Combatant Evacuation Operation 1</p> <p>Overview:</p> <p>Having established ashore, the amphibious force commences road movement from the assault area to the EAA. While en route the force comes under attack from land forces.</p> <p>Innovation Showcase</p> <p>(1615-1700)</p> <p>Bohemia Interactive Simulations</p> <p>Title:</p> <p>Leveraging the latest enhancements in the Virtual Battlespace (VBS3)</p> <p>Overview:</p> <p>For over a decade Bohemia Interactive Simulations (BISim) has successfully delivered computer game technology to the military simulation industry, and this brief will describe recent innovations to leverage this technology in new domains and use cases. Notable examples include extending VBS technology to a whole-earth paradigm and enabling VBS to operate as a high performance image generator. BISim is also at the forefront of developing an open game-based architecture and this effort will also be presented.</p> <p>Presenter:</p> <p>Peter Morrison, Co-CEO, Bohemia Interactive Simulations</p>

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		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
	0730-0815		ASSH Paediatric Special Interest Group Breakfast Breakfast Sponsored by: Mediquip Chair: Dr Jon Mould, Senior Lecturer, Curtin University Open Invitation to Delegates. Suitable for Delegates interested in paediatric and/or neonatal simulation.	ASSH Rural Special Interest Group Breakfast Breakfast Sponsored by: Laerdal Chair: Kellie Britt, Lecturer, Medical Education and Simulation, Deakin University Open Invitation to Delegates. Suitable for Delegates interested in rural simulation settings.	
		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
		SimTecT Plenary	SimHealth Free Papers	SimHealth Free Papers	ISAGA Workshop
Session 1	0830-1000	Engineering Safety, Security and Efficiency through Fire and Evacuation Simulation Chair: Dr Michael McGarity, Co-Convenor, SimTecT and Chief Engineer, Northrop Grumman Keynote Presentation Speaker: Prof Edwin Galea, Director, Fire Safety Engineering Group (FSEG) and Vice Chairman, International Association of Fire Safety Science, University of Greenwich Overview: Advanced computer simulation of fire and evacuation is used in the design of modern structures to ensure enhanced ; safety - in the event of an emergency, security - providing protection from terrorist inspired incidents, and efficiency - in terms of flows of people in crowded spaces. This presentation will briefly discuss recent research to enhance fire and evacuation simulation including: evacuation of high-rise buildings using lifts, the impact of security bollards on evacuation, improving wayfinding in complex buildings, human behaviour in domestic fire situations and coupled fire and evacuation simulation. New applications in large urban-scale evacuation scenarios will also be considered. Panel Discussion Panellists: Andrew Hart, Solid Propellant Discipline Lead, Weapons and Combat Systems Division, Defence Science and Technology Group Hank van Ravenstein, Principal Manager, Fire Risk Management Unit, Department of Health and Human Services Prof Vasily Novozhilov, Director, Centre for Environmental Safety and Risk Engineering (CESARE), Victoria University Deputy Chief Officer David Youssef, Regional Director, North West Metro Region, Metropolitan Fire Brigade	Undergraduate Simulation Chair: A/Prof Michelle Kelly, Director, Community of Practice, Curtin University 513 Oral Presentation Undergraduate Students' Experiences of Being 'in role' in Simulated Nursing Practice as the Recipients and Providers of Nursing Care Nancy Lorraine McNamara, Waikato Institute of Technology 476 Oral Presentation A Staffed High-Technology/ Fidelity Simulation Re-Do Station - Does it Increase Nursing Students' Learning? - A Topic Review Liz McNeill, Flinders University 460 Oral Presentation Six Steps to Coaching Oscar Performances from Under-Graduate Nursing Students in Simulation: An Action Research Study Dr Gwen Delene Erlam, Auckland University of Technology 479 Oral Presentation Student Led Scenarios: The Undergraduate Student as Simulation Teacher Andrea Thompson, University of Queensland	IP Chair: Tess Vawser, Director of Clinical Education and Simulation, Epworth HealthCare 587 Oral Presentation Medical Student Preparedness for Internship Improves After Interprofessional Simulation-Based 'Ward Calls' Course Dr Jane Torrie, The University of Auckland 453 Oral Presentation Development of an Interprofessional Simulation (IP-sim) Program for Rural Based Medical Students Using the Plan Do Study Act Cycle Vanessa Jane Ryan, Flinders University Rural Clinical School 561 Oral Presentation Development, Delivery and Reflections of an Inter-Professional Neonatal Simulation (NSP) and Simulation Train the Trainer (STTT) Program in India Dr Jenni Sokol, The Royal Children's Hospital 498 Oral Presentation The Transformation of Paediatric Resuscitation Training in a Mixed Emergency Department Using Simulation Ben Lawton, Children's Health Queensland	715 Simulation: A Profession? Overview: This workshop will explore expert opinion using a modified Delphi technique to establish a shared understanding of the concepts and issues of simulation professionalism. It will assist in constructing a framework encapsulating "simulation the profession." Linstone and Turoff describe Delphi as: "Delphi may be characterized as a method for structuring a group communication process so that the process is effective in allowing a group of individuals, as a whole, to deal with a complex problem. To accomplish this "structured communication" there is provided: some feedback of individual contributions of information and knowledge; some assessment of the group judgment or view; some opportunity for individuals to revise views; and some degree of anonymity for the individual responses." This interactive session will involve development of ideas and participants will be invited to give informed permission for future contact and involvement and use of data generated. Presenter: Jan Roche, University of Newcastle

Meeting Room 216	Meeting Room 217	Meeting Room 218	Meeting Room 219	Exhibition Hall
	ASSH Simulated Patients Special Interest Group Breakfast Breakfast Sponsored by: Health Education Australia Limited (HEAL) Chair: Beverley Sutton, Chief Executive Officer, Health Education Australia Limited (HEAL) Open Invitation to Delegates. Suitable for Delegates interested in simulated patient methodology.	ASSH Technology Special Interest Group Breakfast Breakfast Sponsored by: iSimulate Chair: Luke Wainwright, Simulation Manager, Clinical Skills Development Service Open Invitation to Delegates. Suitable for Delegates in the technology in simulation setting.		
Meeting Room 216	Meeting Room 217	Meeting Room 218	Meeting Room 219	Exhibition Hall
SimHealth Workshop	SimHealth Works in Progress	SimHealth Posters	ISAGA Panel	Innovation Showcase
556 A How to Guide: The Design, Implementation and Evaluation of 24 Hours of Concurrent Process and Educational Simulation Activities to Train and Orient Staff Prior to a New Hospital Opening Overview: When opening a new healthcare facility, there are many operational, human resource and patient related considerations. Historically, new hospitals transfer existing organisational policies and procedures to the new location, predicting that workflows and patient activity flow will reflect similar processes. Mater Health Services (MHS) incorporated process and education simulation activities as part of the new hospital orientation at Mater Private Hospital Springfield (MPHS). Whether it is opening a new service, a new building or an entire hospital process simulation testing is an ideal way to ensure patients and staff are able to effectively journey through the healthcare environment. In this 'How-to' workshop, our simulation team will share their experiences coordinating the simulation activities for MPHS, as well as their engagement in other process testing areas across Mater Health Services. Following this presentation, the team will facilitate participants to 'workshop' their own process testing issues. A template to design, implement and evaluate their own simulation testing opportunity will be provided as utilised in the MPHS project and other projects. Presenters: Melanie Barlow, Mater Health Services Stephanie Barwick, Mater Health Services Sharon Clipperton, Mater Health Services Robyn Dickie, Mater Health Services Pauline Lyon, Mater Health Services	Chair: Tod Adams, Manager, Rural Mobile Simulation Centre, HETI 469 Oral Presentation Rehearsing the Very Technical Skills of Communication in Breaking Bad News: Analysis of Medical Student Performance Pam Harvey, Monash University Rural Health School 492 Oral Presentation The Perceived Effects on Final Year Medical Students' Clinical Practice Following an Immersive Simulation Program on the Deteriorating Patient Adele Louise Callaghan, Monash University Rural Health School 549 Oral Presentation Development, Implementation and Evaluation of an Integrative Approach to Patient Centred Clinical Communication Education for First Year Nursing Students A/Prof Debra J Kiegaldie, Holmesglen Institute	Technology Chair: Luke Wainwright, Simulation Manager, Clinical Skills Development Service 585 Wakey Wakey C02 Kim S Heaslip, Clinical Skills Development Service 619 Using a Low-Resource, High Fidelity Education Model to Enhance Skills, Knowledge and Confidence of Health Professionals When Performing Episiotomies in Practise Grace Elizabeth Rose Crowe, The Royal Women's Hospital 598 Establishing Content and Construct Validity for an Advanced Paediatric Surgical Laparoscopic Model (LIDD) Sam Alexander, Monash University 601 A Pilot Study to Develop and Evaluate a First Person Perspective Video to Teach Medication Administration Skills to Bachelor of Nursing Students Dr Jill Elizabeth Stow, Monash University 580 Self-inflicted Gunshot Wound: Realistic Simulated Gunshot Wound Colin King, Clinical Skills Development Service 482 Bespoke Manikins for Trauma Simulation - Build your Own! Clare Elaine Scott, Gold Coast Health 535 Better for Less. Effective Chest Compressions Save Lives but They Can Also Save Money too. Translational Research Project Delivers Better Outcomes at a Lower Cost Amanda Jane Peat, Cabrini 494 The Take Home Box Trainer Project: Trainee Evaluation of the First Year Dr Michael Yu, Mater Mothers' Hospital	The Inaugural FameGame Competition Sponsored by Academy of Interactive Entertainment Chair: Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre Overview: FameGame is a chance to put your pitching talent to the test. Before the conference, people were invited to submit their idea for a game based off their research topics or chosen field of expertise. Selected applications will get 3 minutes to pitch their game to a panel of game developers and receive feedback to assist them with taking their idea further. The best game idea as judged by the panel will be crowned the winner! Judges: Dr Michael Barlow, Deputy Head of School, School of Engineering and IT, UNSW James Bonner, Director, Opaque Multimedia Toan Huynh, Game Programming Lecturer, Academy of Interactive Entertainment Paul Stapelberg, Chief Operating Officer, Well Placed Cactus Ross Symons, Chief Executive Officer, Big Ant Studios John Welsh, Chief Executive Officer, The Serious Games Consultancy and Project Manager, BMS-SIM and Training, Elbit Systems of Australia The Naked Truth About Games and Simulation Chair: Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre Overview: Collaboration between various industries can deliver beneficial outcomes, but it's not always smooth sailing. Behind the success stories, there are always cultural hurdles, miscommunication and lessons learnt. Come and listen to people who have worked on these types of projects share these experiences. Giving both perspectives as to how the partnership started, some major challenges faced throughout the projects and how they overcame them to deliver a successful result. Speakers and Projects: Liam McGuire, Director, Design Lead, Opaque Multimedia and Dr Tanya Petrovich, Business Development Manager, Learning and Development, Alzheimer's Australia Vic - Virtual Dementia Experience. More speakers and projects will be announced on the day!	(0845-0915) YTEK Title: ExTrace - Automated AAR using Computational Intelligence Overview: Use of Automated AAR in Defence Training contexts using Computational Intelligence. ExTrace is environment agnostic and is designed to be a portable technology/ product framework that can be adapted to many domains. Presenter: Richard Yanieri, R&D Programs Lead, YTEK
				DMT Precinct (Booth 40) (0915-1000) Vignette 5: Non-Combatant Evacuation Operation 2 Overview: Troops from the Amphibious Task Group arrive at the EAA and begin treating a number of medical cases. After triage, a number of these casualties are prepared for MEDEVAC to the LHD.

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Morn. Tea	1000-1030				
		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
		Joint SimTecT and ISAGA Panel	SimHealth Free Papers	SimTecT Presentation & Free Papers	SimTecT Free Papers
Session 2	1030-1200	Emergency Management Case Studies Panel Chair: Prof Saeid Nahavandi, Director, Institute for Intelligent Systems, Research and Innovation, Deakin University Overview: This Emergency Management Case Studies Panel is an opportunity to hear from leaders in the sector who will describe case studies and examples of investment in simulation, the business case that led to that investment, lessons learned, challenges and future expectations. Panellists: Conrad Barr, Executive Director, ACT Health Protection Service Mark Croswell, Director General, Emergency Management Australia Brett Patterson, International Training Coordinator, Red Cross Lew Short, General Manager Risk, Consequence and Resilience, Emergency Management Victoria Marcus Thatcher, Research Scientist, Weather, Regional Climate Variability and Extremes, CSIRO Oceans and Atmosphere	Technology Chair: Amy Dearsley, Education Services Manager, Laerdal 630 Oral Presentation Innovating a Paediatric Robotic Motion Arm for Neurological Sensory Feedback Response Nadine Sarah Gwendoline Alcorn, Kids Simulation Australia 570 Oral Presentation Development and Use of a Digital Patient - A Virtual Resident with Dementia Jade Cartwright, University of Melbourne 657 Oral Presentation Collaboration in Maternity Care to Improve Outcomes in Maternal and Newborn Resuscitation Caprice Brown, The Royal Women's Hospital 584 Oral Presentation Simulation Platform: Enabling the Rapid Development of Immersive 3D Simulated Learning Experiences Dr Ivan Karl Bindoff, University of Tasmania	Capability Planning and Readiness Chair: Dr Teresa Crea, Post-Doctoral Research Associate, Centre for Creative and Cultural Research, University of Canberra Presentation – Long Silicon Warfighting - Army's Simulation Concept Speaker: LTCOL Kane Mangin, (Acting) Director Land Simulation, Army Head Quarters 669 Oral Presentation – Short Poster Maritime Platform Model for Vulnerability Analysis Philip Samuel Ashton Wallace, Student at Swinburne University 720 Oral Presentation – Short Poster Simulating to Stimulate Thomas Hollitt, Student at University of South Australia 678 Oral Presentation – Long Paper Modelling the Future of Airport Management Maria Freese, German Aerospace Center (DLR)	Simulation and Decision Support Systems Chair: Dr Anjum Naweed, Scientific Convenor, SimTecT and Senior Research Fellow, CQUniversity 658 Oral Presentation – Short Paper The Integration of UAS and Contributing Sensors to Improve Situational Awareness for Emergency Managers, SAR Teams and First Responders Greg Kraut, PLEXSYS Interface Products 508 Oral Presentation – Long Paper Swarm Mechanism for “Hedgehog” Asteroid Rover, Using Netlogo Simulations William Crowe, University of New South Wales 563 Oral Presentation – Short Paper Improving Maritime Information and Decision Support Dr Torab Torabi, La Trobe University 574 Oral Presentation – Long Paper Simulation for Research, Development, and Test of Cyberspace Intelligent Agents Dr Martin R Stytz, ProSource
Lunch	1200-1330				
		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
		ASSH Members Meeting			
		Open Invitation to Delegates (1245-1330)			

Meeting Room 216	Meeting Room 217	Meeting Room 218	Meeting Room 219	Exhibition Hall
SimHealth Workshop	SimHealth Workshop	SimHealth Posters	SimTecT Panel	Innovation Showcase
<p>458</p> <p>Cultural Amalgam: Diversity Within Sim-Teams and Diverse Student Cohorts - How to Achieve Best Learning Outcomes?</p> <p>Overview:</p> <p>Optimising learning outcomes in high-fidelity simulations necessitates understanding of two dimensions in cultural diversity. First is how the simulation team faculty adapt among themselves (the teaching faculty and the teach support team). Next is how culturally diverse student cohorts participate in active collaborative learning in authentic learning environments. As simulation sessions are time/session limited there is enormous pressure in presenting the curricular content for rapid assimilation and application of knowledge in a controlled environment. For the learning to optimal and controlled, both the faculty and the students need to learn to adapt with the cultural diversity, range of dominance or passivity and learn from each other. This workshop is designed to introduce the participants to the perils of the diversity in simulation faculty and will be guided to address conflicts and propose solutions. The participants will be introduced to problems with diverse student cohorts such as dominance, passivity, learning capabilities and level of comprehension.</p> <p>Presenters:</p> <p>Dr Balakrishnan Ashokka, National University of Singapore</p> <p>A/Prof Michelle Kelly, Curtin University</p> <p>Dr Narendiran Krishnasamy, Taylor's University Malaysia</p>	<p>530</p> <p>Preparing for Peer Review - What do Reviewers Look for?</p> <p>Overview:</p> <p>This workshop will prepare the participants for the submission, peer review and response process. The workshop will explain what reviewers look at when examining a "submission" for a publication or conference. It will suggest how to do justice to the hard work of designing a study or education program by describing your education and research in a way that engages the audience to find out more. Participants will have the opportunity to practice reviewing and re-crafting a simulated abstract.</p> <p>Presenter:</p> <p>A/Prof Stuart Marshall, Australian Centre for Health Innovation</p>	<p>IP / Allied</p> <p>Chair: Terri Sullivan, Lecturer, CQUniversity</p> <p>497</p> <p>Evaluation of the Austin MET-Sim Project: a Self-Improving, Inter-Professional Medical Emergency Team Simulation Education Program</p> <p>Dr Maurice Le Guen, Austin Health</p> <p>541</p> <p>An Interprofessional Transition Program: Using Simulation to Support and Train Novice Health Care Teams</p> <p>Robyn Dickie, Mater Health Services</p> <p>594</p> <p>Leading Thomas up the Garden Path: Developing an Inter-Professional Audio Visual Simulated Learning Resource</p> <p>Jane Coffee, University of South Australia</p> <p>655</p> <p>Interprofessional Clinical Leadership for Nurses of the Future</p> <p>Dianne C Marshall, The University of Auckland</p> <p>652</p> <p>Can Low Cost Simulation Embed Patient Centred Goal Setting in Stroke Rehabilitation for Junior Physiotherapists?</p> <p>Jill Garner, SA Health</p> <p>643</p> <p>Another Kind of Hybrid: Can an Online Adaptive Learning Platform be Successfully Integrated into a Patient-Centred Simulated Learning Environment?</p> <p>Dr Neil Tuttle, Griffith University</p> <p>634</p> <p>Developing OSCE and Simulation in Psychology - a Novel Approach to Simulation Based Assessment as a Learning Tool</p> <p>Dr Simon Patten, The University of Adelaide</p> <p>578</p> <p>Emergency Masterclass: an Interprofessional Simulation Education Program for Rural Clinicians</p> <p>Tod Adams, HETI</p>	<p>The Future of Games Based Training</p> <p>Chair: Deanna Hutchinson, Congress Executive, Australasian Simulation Congress and Founder, Diverse Disruption</p> <p>Overview:</p> <p>This panel will discuss the evolution and research which is at the forefront of 'serious' game based training. Panellists will explore trusted autonomous game based training, dynamic behavioural analysis and user engagement. Others will predict the future of game based technology - and inspire our community to harness its explosive potential.</p> <p>Panellists:</p> <p>Dr Michael Barlow, Deputy Head of School, School of Engineering and IT, UNSW</p> <p>Dr Justin Fidock, Simulation and Training Lead, Land Division, Defence Science and Technology Group</p> <p>Peter Morrison, Co-CEO, Bohemia Interactive Simulations</p> <p>John Welsh, Chief Executive Officer, The Serious Games Consultancy and Project Manager, BMS-SIM and Training, Elbit Systems of Australia</p>	<p>(1030-1100)</p> <p>Device Technologies - MIMIC</p> <p>Title:</p> <p>da Vinci Surgery and MIMIC Simulation – How does Simulation help training our surgeons?</p> <p>Overview:</p> <p>Description of the training pathway for the da Vinci Surgical System and the advantages and benefits of the MIMIC dV Trainer and Team Trainer.</p> <p>Presenter:</p> <p>Dominic Breuker, Senior Product Specialist, da Vinci Surgery and MIMIC Simulation</p>
				Innovation Showcase
				<p>(1130-1200)</p> <p>Pitch Technologies</p> <p>Title:</p> <p>How to Build a Simulation and Training Cloud using Open International Standards</p> <p>Overview:</p> <p>The elastic cloud, public or private, is a promising technology for deploying and delivering the next generation of training. Gone are the days of buying and configuring expensive computers that soon become dated. Elastic CPU and storage resources are readily available. Training can be delivered as a service to training audiences anywhere. Data and scenarios are easily shared.</p> <p>This short innovation seminar presents some practical experiences as to how this can be achieved, for example using Amazon Cloud, CGFs visualizers and more. Existing systems can be reused with some modifications. Using open standards, like HLA Evolved, training solutions can be composed from components. Hybrid clouds enable composition of solutions of different security levels. Finally, opportunities, limitations and the impact on business models is discussed. The presentation would be relevant to Defence, EM and Health fields among other.</p> <p>Presenter:</p> <p>Bjorn Moller, Vice President, Pitch Technologies</p>
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			Emergency Management and National Security Specialist Community Members Meeting	
			Open Invitation to Delegates (1245-1315)	

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		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
		SimHealth Plenary	ISAGA Panel	ISAGA Free Papers	SimTecT Free Papers
Session 3	1330-1500	<p>The Debriefing Challenge: Training Future Leaders with Effective Debriefing</p> <p>Chair: Prof Robert O'Brien, Scientific Convenor, SimHealth and ASSH Specialist Community Chair, Simulation Australasia</p> <p>Keynote Presentation</p> <p>Speaker:</p> <p>Dr Adam Cheng, Director, Research and Development, KidSIM Simulation Program, Alberta Children's Hospital, Department of Paediatrics, University of Calgary</p> <p>Overview:</p> <p>As the critical ingredient in simulation-based education, debriefing has seen considerable evolution and advancement based on emerging evidence and new frameworks. This session will highlight the current evidence supporting effective debriefing practices in simulation-based education and provide practical strategies to implement these practices. The session will also explore how debriefing can be used to develop future leaders by purposefully addressing key practices of exemplary leadership.</p> <p>Panellists:</p> <p>Dr Chad Epps, President, Society for Simulation in Healthcare</p> <p>Jennifer Keast, Academic, Royal Melbourne Clinical School, University of Melbourne</p> <p>Dr KT Waxman, Director, Executive Leader Doctor of Nursing Practice Program, University of San Francisco</p>	<p>Analytics, It's More Than Just a Game</p> <p>Chair: Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre</p> <p>Overview:</p> <p>Big Data is a word that has become part of our vernacular within simulation and computer systems in general. Some fear it, some embrace it, but all want to harness it. One way we can do this through analytics and the games industry are leaders in this space.</p> <p>With large user sets and data points coming back from their games, interpreting this information correctly helps with game balance, and can be used to plan and predict future updates and their effects. What are some key points to allow this to happen, how do they decide which aspects are relevant, and how can other industries utilise lessons learnt to apply them to their own systems?</p>	<p>Practical Serious Games</p> <p>Chair: Dr Elysabeth Leigh, Director, FutureSearch</p> <p>484</p> <p>Long Oral Presentation</p> <p>Simulation Game Impacts on Perceptions of Nuclear Energy</p> <p>Dr Stephan J. Franciosi, Osaka University</p> <p>695</p> <p>Long Oral Presentation</p> <p>A Serious Game for Eliciting Tacit Strategies for Dynamic Table Assignment in a Restaurant</p> <p>Hajime Mizuyama, Aoyama Gakuin University</p> <p>675</p> <p>Long Oral Presentation</p> <p>Artillery Simulation as a Pedagogical Tool in Military Education</p> <p>Dr Bjorn Persson, Swedish Defence University</p> <p>465</p> <p>Long Oral Presentation</p> <p>Leading from the Engine Room. The Role of Software Designers in Collaborative Creation of Online Simulations</p> <p>Dr Cat Kutay, University of New South Wales</p>	<p>Application of Modelling and Simulation</p> <p>Chair: Kenny Macleod, Director, TMN Simulation</p> <p>503</p> <p>Oral Presentation – Short Paper</p> <p>Modelling the Complexity of RAN Training Pipelines: A System Dynamics Approach</p> <p>LCDR Victoria Jnitova, Royal Australian Navy</p> <p>693</p> <p>Oral Presentation – Long Paper</p> <p>Sink or SWMM: Simulating the Hydrological Effects of Retention Tanks in a Small Urban Catchment</p> <p>Richard James Benedict Gale, University of South Australia</p> <p>690</p> <p>Oral Presentation – Long Paper</p> <p>Challenges and Solutions for Integrating Simulation into a Transportation Device</p> <p>Christopher Graham Bosomworth, CQUniversity</p> <p>564</p> <p>Oral Presentation – Short Paper</p> <p>Securing Multiple Simulation Exercises in a National Defence Context</p> <p>Doug Stapleton, Highlands Information Security</p>
Aft. Tea	1500-1530				
		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
			SimulationWeek Meeting		
	1500-1530		Open Invitation to Delegates		

Meeting Room 216	Meeting Room 217	Meeting Room218	Meeting Room 219	Exhibition Hall
SimTecT Presentation & Free Papers Innovative Modelling, Systems and Platforms Chair: Dr Raymond Matthews, Co-Scientific Convenor, SimTecT and Research Fellow, Appleton Institute, CQUniversity Presentation – Long Enhanced Macro Estimates for Target Settings Model Speaker: Dr David Logan, Senior Research Fellow, Monash University Accident Research Centre, Monash University 692 Oral Presentation – Long Paper A Cost Effective High-Assurance Layered Solution for MLS Test, Training, and Live Virtual Construction (LVC) Shawn Goodfellow, Rockwell Collins 511 Oral Presentation – Short Paper The Point Cloud Data as a Future Platform for the Effective Cost Simulators and Training Systems Andrey Kirsanov, University of New South Wales @ Australian Defence Force Academy 519 Oral Presentation – Long Paper Simulating a Flatfish Unmanned Underwater Vehicle in a Unity 3D Maritime Environment Daniel Sgarioto, Defence Science and Technology Group	SimTecT Free Papers Training with Simulation and Skill Transfer Chair: Dr Anjum Naweed, Scientific Convenor, SimTecT and Senior Research Fellow, CQUniversity 721 Oral Presentation – Short Poster Comparing the Clinical Impact of Simulation Education Approaches on Nurses' Ability to Detect and Manage Patient Deterioration Angela Jayne McKay, Student at University Tasmania 722 Oral Presentation – Short Poster The Janus Track: A Conceptual Augmented-Virtual Reality (A-VR) Learning Aid for Novice Train Drivers Ganesh Balakrishnan, Student at CQUniversity 718 Oral Presentation – Short Poster Anxiety and Performance in Simulated Settings: The Use of Heart Rate Variability Amal Al-Ghareeb, Student at Monash University 510 Oral Presentation – Short Paper Educating and Training Using Simulation Dr Brenda Lloyd, Whitireia 694 Oral Presentation – Long Paper Maximising the Benefits of Simulators in Rail Training - Steps Toward A Cultural, Technical & Pedagogical Framework for Improving Their Integration and Use Tony Mildred, CQUniversity	SimTecT Panel Verification, Validation and Accreditation Chair: Dr Michael McGarity, Co-Convenor, SimTecT and Chief Engineer, Northrop Grumman Overview: There is a growing emphasis on processes that ensure that computer models and simulations perform correctly and that appropriate confidence is placed in their results. Verification, Validation, and Accreditation (VV&A) serve as the cornerstones of simulation correctness and credibility. Panellists will explore methods, standards, individual case studies of VV&A and specific challenges of VV&A in a simulation context. The audience will gain a greater understanding of the role that VV&A across the range of simulator and simulated systems, and learn from the experience of senior practitioners who have applied VV&A to a range of problem areas including team and networked training with a focus on the aerospace, defence and health domains. Panellists: Pauline Albouy, Senior System Engineer, Telstra Daniel Beelitz, Regional Portfolio Director - Emergency Care, Laerdal Jawahar Bhalla, Manager, Solutions and Technologies, CAE Asia Pacific John Illgen, Sector Director, Modelling and Simulation, Northrop Grumman Information Systems Dr Terrence Martin, Applied Research Lead Autonomous Systems, Nova Systems	ISAGA Free Papers Emergency Management Chair: Dr Megan Phillips, Lecturer, School of Life Sciences, University of Technology Sydney 450 Long Oral Presentation Social Simulation for Analysis, Interaction, Training and Community Awareness Dhirendra Singh, RMIT University 538 Long Oral Presentation Incident Management Training USA Style Dr Peter A Hayes, RMIT University 506 Long Oral Presentation Fires and Floods: Predicting Natural Hazards Dr James Hilton, CSIRO 716 Long Oral Presentation Virtual to Live: Exploring Hybrid Simulations Phil Connors, Centre for Humanitarian Leadership 729 Long Oral Presentation Design and Operation of a Fire Training Facility Tom Hetherington, Emergency Simulation Australia	DMT Precinct (Booth 40) (1330-1415) Vignette 6: Intelligence, Surveillance, Reconnaissance Overview: After securing the EAA and commencing the NEO the Australian forces commence surveillance on an airfield in preparation for an assault which will secure the location for the arrival of follow on forces. The force uses a combination of UAV, fixed and rotary wing assets as well as a ground based ISR specialists to locate any potential threats.
				DMT Precinct (Booth 40) (1415-1500) Vignette 7: Close Air Support 2 Overview: As a UAS provides overhead imagery, the assault force approaches the airfield. A JTAC observes enemy movement north-east of the airfield and visually identifies enemy anti-aircraft and vehicles. The targets are engaged with a group of Australian Army M777 and two RAAF F-18s. Their successful destruction clears the way for the Airfield Seizure.
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		Plenary 3	Meeting Room 207	Meeting Room 208	Meeting Room 209
		SimTecT Panel	SimHealth Free Papers	SimHealth Free Papers	SimTecT Workshop
Session 4	1530-1700	Distributed Mission Training Chair: Shawn Parr, Chief Executive Officer and Founder, Calytrix Technologies Overview: With the integration of Live, Virtual and Constructive (LVC) systems and the application of Distributed Mission Training (DMT), delivering 'at the point of need' has been achieved at the technical level. The next challenge is supplying these high-end simulation capabilities on demand, in a cost effective and repeatable manner. This panel will introduce the concepts of DMT, today's challenges and discuss some of the technologies that will truly make DMT a commodity. Panellists: GPCAPT Bernard Grealy, Director of Simulation Services, Australian Defence Simulation and Training Centre Mark Phillips, Chief Architect Live, Virtual and Constructive (LVC) Technologies, Lockheed Martin – Rotary and Mission Systems Dr Tim Pokorny, Engineering Fellow, TitanIM and CTO, Calytrix Technologies Brigadier Dave Smith, Director General, Australian Defence Simulation and Training Centre Ron Wiegand, President and Chief Executive Officer, PLEXSYS Interface Products	Technology Chair: Dr Cyle Sprick, Lecturer in Clinical Simulation, Flinders University 481 Oral Presentation Better BLS - Technology and Educational Innovation Tricia Pilotto, Queensland Health 654 Oral Presentation Using a Custom Built Birthing Simulator as an Education Tool to Teach Manual Rotation to Midwives and Obstetricians Sarah Catherine McDonald, The University of Sydney 635 Oral Presentation Development of an Innovative High Fidelity Paediatric ECMO Simulator Nadine Sarah Gwendoline Alcorn, Kids Simulation Australia	Leadership / Debriefing Chair: Melanie Barlow, Education Programs Manager, Mater Health Services 558 Oral Presentation Scaffolding Learning in the Simulation Room: Workshopping and Combining Clinical and Communication Scenarios for Simulation-Based Education Melissa Heywood, The Royal Children's Hospital 514 Oral Presentation Exploring the Paradigm of Leadership Within Collaborative Teams: How can Simulation Shift the Traditional Paradigm Tina Holmes, University of New South Wales 532 Oral Presentation Teaching and Debriefing Practices of Simulation Instructors Julian Van Dijk, St Vincent's Hospital 496 Oral Presentation Improvement in Emergency Department Length of Stay Using a Simulation Based Clinical Leadership in Teams' Course: a Longitudinal Before-After Interventional Study Dr Sissel Eikeland Husebo, University of Stavanger	540 Teamwork: Why Games are a Fast Way to Develop Knowledge of Human Factors Chair: Prof Richard Satava, Professor of Surgery, University of Washington Medical Center Overview: You will know a story where human failures in situation awareness, leadership or teamwork contributed to a disaster. Come and learn how to develop knowledge of human factors through games. Presenter: A/Prof Marcus Watson, Clinical Skills Development Service
Evening					
		Victory Room, Etihad Stadium			
		Social Function			
	1815-2315	Simulation Australasia Annual Awards Dinner			



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		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		ISAGA Panel	Fringe 30	SimHealth Free Papers	SimTecT Industry Brief
Session 1	0830-1000	<p>Leaders in Reality: Virtual, Augmented and Mixed</p> <p>Chair: Sarah Hibbard, Corporate Development Manager, Consilium Technology and Ronan McInerney, Human Factors Researcher, Defence Science and Technology Group</p> <p>Overview:</p> <p>The rapid advancement of Virtual Reality (VR), Augmented Reality (AR) and Mixed Reality (MR) technologies has led to an explosion of interest for their use in many industries; including gaming, health, education and Defence. This presentation brings leaders currently using VR, AR and/or MR technologies together to share their experiences and thoughts on these emerging technologies. Current trends and future projections will be discussed and the audience will have the opportunity to ask the panel questions. Concluding with a live demonstration, the seminar aims to increase awareness of these technologies and promote cross-industry networking.</p> <p>Panellists:</p> <p>Dr Ben Horan, Senior Lecturer, Faculty of Science, Engineering and Built Environment, Deakin University</p> <p>Scott Vandonkelaar, Director, Zero Latency</p> <p>Norman Wang, Director, Business Development, Opaque Multimedia</p> <p>Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre</p>	<p>Fringe 30</p> <p>Chair: Luke Wainwright, Simulation Manager, Clinical Skills Development Service</p> <p>Short Oral Presentation</p> <p>Cuatro Tribus</p> <p>Alfonso Atala Layum, Dinamita</p> <p>Short Oral Presentation</p> <p>Creating Three Dimensional Representation of Learning in Simulation</p> <p>Dr Elysabeth Leigh, FutureSearch</p> <p>Short Oral Presentation</p> <p>Colourful-Calculations</p> <p>Joshua Berger, The University of Sydney</p> <p>Short Oral Presentation</p> <p>3D Virtual Training Simulation Product</p> <p>Mathew Balic, ETRAIN Interactive</p> <p>Short Oral Presentation</p> <p>Computer Aided Video Analysis</p> <p>Chris Carpenter, CC Simulation</p> <p>Short Oral Presentation</p> <p>Stochastic Enhancement of Event-Based Simulation (SEES)</p> <p>Dr Steve Costa, Ballarat Health Services</p> <p>Short Oral Presentation</p> <p>Working as a Simulation Education Network: A 'How To' Guide</p> <p>Rodger Gorey, ACT Health</p> <p>Short Oral Presentation</p> <p>Simulation Based Learning and the Development of Social Work Students' Emotional Intelligence</p> <p>Dr Shepard Masocha, University of South Australia</p>	<p>Faculty Development</p> <p>Chair: Prof Robert O'Brien, Scientific Convenor, SimHealth and ASSH Specialist Community Chair, Simulation Australasia</p> <p>480</p> <p>Oral Presentation</p> <p>Faculty Development as a Strategy for Enhancing Simulation Delivery Capacity in a Healthcare Service</p> <p>Catherine Lynn Driver, Gold Coast Health</p> <p>590</p> <p>Oral Presentation</p> <p>Learning Through Simulation-Based Education: a Narrative Analysis</p> <p>A/Prof Margaret Bearman, Monash University</p> <p>611</p> <p>Oral Presentation</p> <p>Learner Evaluation of a Tertiary Hospital Inter-Professional Simulation Faculty Education Development Program</p> <p>Robyn Purcell, Austin Health</p> <p>618</p> <p>Oral Presentation</p> <p>Unique Opportunities and Challenges: Embedding and Leading Simulation Across Multiple Disciplines Within a Faculty of Health Sciences</p> <p>Alison Kelly, Curtin University</p>	<p>Project Director Status Brief JP9711-1</p> <p>Chair: Alisha Fisher, Founder, Asia Pacific Simulation Alliance</p> <p>Overview:</p> <ul style="list-style-type: none"> Current status ITR results and summary of Industry Questions RFT release Overall schedule Australian industry content policy Next major milestone Q&A <p>Speaker:</p> <p>Ash Pagett, Project Director JP9711-1, Department of Defence</p>
Morn. Tea	1000-1030				

Meeting Room 209	Meeting Room 216	Meeting Room217	Meeting Room 218	Exhibition Hall
SimTecT Workshop	SimHealth Workshop	SimHealth Workshop	SimHealth Posters	
<p>528</p> <p>Simulation Game, “Project PAL: Hawaii”</p> <p>Chair: Norma Robinson, Clinical Skills and Simulation Academic Coordinator, The University of Queensland Rural Clinical School</p> <p>Overview:</p> <p>“Project PAL: Hawaii” incorporates indigenous knowledge, design thinking and art to address global concerns. This presentation demonstrates how “innovation” for Native Hawaiians can engage in synchronistic leanings as nascent social entrepreneurs.</p> <p>“Project PAL (Place-based Active Learning)” is an original educational game for a simulated community in the workshop that engages participants in finding solution-based approaches to shared global concerns. Based on the “glocal” (global + local) to “Think globally, Act locally” model, the goal of this game is to develop effective “well-being” strategies towards attaining a peaceful and sustainable world with “PAL” spirit which means “Passion, Action and Love.”</p> <p>Presenters:</p> <p>Nanako Iwasa, Graduate School of Education, Hokkaido University</p> <p>Glen Makakauli'i Kila, Marae Ha'a Koa Cultural Learning Center</p>	<p>550</p> <p>SimART™ - Rapidly Applicable Simulation on a Budget</p> <p>Overview:</p> <p>Moulage is one of the key tools utilised in realism for those participating in a simulation scenario. Transforming manikins or simulated patients using simple effective techniques seem overwhelming. This workshop will present moulage and special effects techniques (including trauma, bruising and blood) that authentically represent reality in a time and cost-efficient manner. This session is designed to be interactive and experiential. The participant will be able to identify and practice using makeup and equipment required to create these effects. The inaugural “simART Olympics” gives participants the opportunity to consolidate their knowledge in a fun and competitive environment.</p> <p>Presenters:</p> <p>Jan Roche, University of Newcastle</p> <p>Jessica Stokes-Parish, University of Newcastle</p>	<p>615</p> <p>BLOOMing 'eck... It's the Taxonomy of Humour: Developing the use of Humour to Enhance Simulation</p> <p>Overview:</p> <p>Humour has been recognised as a valuable tool in healthcare education for many years with publications dating back to 1960. It is commonly used by educators in all aspects of learning, whether consciously or subconsciously. There has been limited research in its outcomes despite anecdotal high use. It is unusual that such a valuable tool has escaped suitable study or publication within the healthcare education field. In 1998 Ziegler hypothesised that research into the role of humour in healthcare education “is made difficult by its complex nature... by the difficulty in contriving humour in controlled settings; by the importance of the setting as a component of humour; and by the difficulties in establishing outcome measures”</p> <p>Presenters:</p> <p>Paul MacLure, University of Adelaide</p> <p>Dr Simon Patten, University of Adelaide</p>	<p>Simulated Patients</p> <p>Chair: Karen Livesay, Simulated Learning Coordinator, Victoria University</p> <p>614</p> <p>Using Simulated Patients to Teach Recognising and Responding to Clinical Deterioration</p> <p>Nemat Alsaba, Bond University</p> <p>473</p> <p>Standardised Patient Scenarios Versus Peer-Role Play to Develop Physiotherapy Student Safety Skills in Readiness for Clinical Placement: a Controlled Trial</p> <p>Dr Anna Phillips, University of South Australia</p> <p>633</p> <p>Culturally and Linguistically Diverse (CALD) Children and Their Families: Improving the Practice of Taking Medical Histories for Doctors and Interpreters</p> <p>Nadine Sarah Gwendoline Alcorn, Kids Simulation Australia</p> <p>639</p> <p>A Framework for Learning with Simulated Participants in Competency-Based General Surgical Training (Using Sim Health Template)</p> <p>A/Prof Bruce Waxman, Monash University</p> <p>616</p> <p>The HEAL Assessment Tool for Simulated Patient's performance and feedback (SP-Assess)</p> <p>Beverley Sutton, Health Education Australia (HEAL)</p> <p>516</p> <p>How to Design and Implement an Effective Human Patient Simulated Education Program</p> <p>Libby Bancroft, Griffith University</p>	<p>Innovation Showcase</p> <p>(0930-1000)</p> <p>Forum8 AU</p> <p>Title:</p> <p>Latest case studies: Forum8 software for urban/transport simulation and driving simulation/training</p> <p>Overview:</p> <p>Forum8, a world leader in 3D virtual reality and simulation software for urban and transport modelling, as well as driving simulation for human factors/engineering research, and driver training, will present the latest version of its software featuring new tools for quick development of the 3D world, as well as new ways of experiencing the 3D world including Oculus Rift. Case studies of recent simulation research and driver training applications from Australia and overseas will be presented, along with examples of use with evacuation simulation software Exodus (presented in keynote and Master Class by Professor Edwin Galea).</p> <p>Presenter:</p> <p>Anita Byrnes, Director, Forum8 AU</p>

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		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		SimHealth Plenary	ISAGA Workshop	SimTecT Panel	SimTecT Presentation
Session 2	1030-1200	<p>Will This Building Work? The Rough (and Ethical) Guide to Large Scale Simulation (With Children)</p> <p>Chair: Jessica Stokes-Parish, Co-Convenor, SimHealth</p> <p>Keynote Presentation</p> <p>Speaker:</p> <p>Carrie Hamilton, Director, Education, Training and Innovation, SimComm Academy</p> <p>Overview:</p> <p>This presentation will encourage the audience to consider engaging with Simulated Patients (SPs) in testing systems and processes. Over 100 SPs assisted in assessing the full system functioning of a children's emergency department (CED) prior to final construction of the building. A life size temporary model of the proposed CED was built, with full size walls, equipment and facilities mirroring the proposed layout. The department was staffed with a full complement of nurses, doctors and therapists, who over a 5 hour period treated 53 child SPs and accompanying simulated carers for a range of simulated illness and injury. The SP presentations reflected a typical Saturday evening case mix and the entire patient journey from reception to admission or discharge was simulated in real time. Working within an ethical framework (Beauchamp, T.L and Childress, J.F 2001) when engaging with the SPs and clinical teams underpinned the event.</p> <p>Panellists:</p> <p>Margo Collins, Simulated Patient and Research Coordinator, Department of Medical Education, Melbourne Medical School, University of Melbourne</p> <p>Karen Livesay, Simulated Learning Coordinator, Victoria University</p> <p>Beverley Sutton, Chief Executive Officer, Health Education Australia Limited (HEAL)</p>	<p>589</p> <p>A Immersive Experience Into the Power of Stimulating Senses in Simulation</p> <p>Overview:</p> <p>This workshop will demonstrate the effectiveness of using low-tech adjuncts to create real-life scenarios for emergency training. Real First Aid will facilitate its own unique simulations and will incorporate participation from attendees to create an immersive, pre-hospital medical emergency. The simulation and gaming community is encouraged to get back to basics and experience the pure adrenaline-rush derived from participation in a dynamic and high-pressured simulation.</p> <p>Presenter:</p> <p>Ben Krynski, Real First Aid</p>	<p>Interoperability</p> <p>Chair: Dr Michael McGarity, Co-Convenor, SimTecT and Chief Engineer, Northrop Grumman</p> <p>Overview:</p> <p>This panel will discuss and update the audience on recent achievements, trends and experiences in simulation interoperability, including environmental correlation assessment and standards with a focus on the aerospace and defence domain.</p> <p>Panellists:</p> <p>Jawahar Bhalla, Manager, Solutions and Technologies, CAE Asia Pacific</p> <p>Bjorn Moller, Vice President, Pitch Technologies</p> <p>Craig Pepper, Research Program Lead, Associate Technical Fellow, Boeing Research and Technology Australia</p> <p>Dr Tim Pokorny, Engineering Fellow, TitanIM and CTO, Calytrix Technologies</p>	<p>Managing Simulation Training Operations and Joint Events</p> <p>Chair: Dr Raymond Matthews, Co-Scientific Convenor, SimTecT and Research Fellow, Appleton Institute, CQUniversity</p> <p>Presentation – Long</p> <p>Joint Exercises and Training in the Canadian Armed Forces</p> <p>Speaker:</p> <p>Major Annette Cunningham, Training Development Officer, Director Air Simulation and Training, Canadian Armed Forces</p> <p>Presentation – Long</p> <p>Preparing Tomorrow's Army Leaders for Demanding Operational Situations, and the Role Played by Advanced Automated Simulation in their Training</p> <p>Speaker:</p> <p>LTCOL Frederic Martinez, Director, JANUS Simulation Centre, France Army Tactical Training Centre</p>
Lunch	1200-1330				
		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		Simulation Australasia Annual General Meeting	ISAGA Annual General Meeting		
	1230-1330	Open Invitation to Delegates	Open Invitation to Delegates		

Meeting Room 209	Meeting Room 216	Meeting Room217	Meeting Room 218	Exhibition Hall
SimTecT Workshop 528 Simulation Game, “Project PAL: Hawaii” (Continued) Chair: Norma Robinson, Clinical Skills and Simulation Academic Coordinator, The University of Queensland Rural Clinical School Presenters: Nanako Iwasa, Graduate School of Education, Hokkaido University Glen Makakauli'i Kila, Marae Ha'a Koa Cultural Learning Center	SimTecT Free Papers New Research and Opportunities Chair: Alisha Fisher, Founder, Asia Pacific Simulation Alliance 723 Oral Presentation – Short Poster Pitfall for Debriefing Games and Simulation Bill Roungeas, Student at Delft University of Technology 571 Oral Presentation – Long Paper Toward Improving Medical Device Cybersecurity Dr Martin R Stytz, ProSource 572 Oral Presentation – Short Paper What About the Rest of Us - Thinking about Accessibility and Online Simulations Melanie Worrall, The Klevar Group	ISAGA Panel Boss Level: Industries Open for Business Chair: Adrian Webb, SGSCA Convenor, Australasian Simulation Congress and Manager of Virtual Worlds, Australian Defence Simulation and Training Centre Overview: We have gathered leaders from both the games and simulation industries to allow you to ask the hard questions. How can small developers compete with the likes of Global primes? Are there incentives for the industries to work together? What benefits can come out of working on projects that aren't considered entertainment games? How is the government assisting the respective industries? How we can build greater collaboration between both fields and create a stronger Australia to keep the talent local? The panel will begin by inviting each representative to talk about their respective industries and what they provide for Australia and the world. We will then open the floor and the panel to allow each to ask the questions that affect them. Panellists: Dr Teresa Crea, International Advisory Board, Asia Pacific Alliance; Chair, Games and Interactive Panel; National Executive, Australian Writer's Guild Alan Gibb, Head of Digital Games, Creative Victoria Raelene Knowles, Communications and Member Services Manager, Interactive Games and Entertainment Association John Stewart, Chief Executive Officer, Simulation Australasia and Co-Chair, SEWG, Department of Defence	ISAGA Free Papers Business Games Chair: Marcin Wardaszko, Assistant Professor, Director, Center for Simulation Games and Gamification, Kozminski University 622 Long Oral Presentation Gamification in Management Accounting Research - Using Business Games & Simulations Matthias Brenning, Technical University of Kaiserslautern 709 Long Oral Presentation A Management Model for Effective Team Communication in Business Simulation Games Anna Palyga, Kozminski University 705 Long Oral Presentation Teaching Business History with a Simulation Anna Marta Pikos, Kozminski University 490 Long Oral Presentation How Does Business Simulation Game Affect Student Learning Outcome? Path Analysis Evidence from China Xiaowu Zhu, China University of Political Science and Law	Innovation Showcase (1030-1100) TMN Simulation Title: Predict and Analyse Different Scenarios (PADS.net) - web-based decision support using Simulation Modelling and Business Intelligence Overview: Traditionally, simulation modelling and analysis has provided decision support from specialist analysts with software installed on their own computer. Access to the specialists is often a bottleneck in getting information to support decisions. PADS.net is a secure web-based application that gives multiple users and stakeholders direct access to run and compare different scenarios without requiring modelling skills or IT support. Presenter: Kenny Macleod, Director, TMN Simulation
				Innovation Showcase (1130-1200) Mentone Educational Title: The SECTRA Table. Virtual surgical anatomy rendered from CT & MRI data Overview: Showcasing the power of the SECTRA table in demonstrating the anatomical basis behind any interventional procedure. Presenter: Matt Jackson, Business Development Manager, Mentone Educational
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		Plenary 3	Meeting Room 206	Meeting Room 207	Meeting Room 208
		SimTecT Plenary	SimHealth Free Papers	SimHealth Free Papers	SimHealth Free Papers
Session 3	1330-1500	<p>Network Attack Modelling for Predictive Cyber Situation Awareness</p> <p>Chair: Dr Michael McGarity, Co-Convenor, SimTecT and Chief Engineer, Northrop Grumman</p> <p>Keynote Presentation</p> <p>Speaker:</p> <p>Dr Shanchieh Jay Yang, Professor and Head of Computer Engineering, Kate Gleason College of Engineering, Rochester Institute of Technology</p> <p>Overview:</p> <p>As network attacks continue to evolve and become more sophisticated, automating the process of recognizing attack strategies in their early stage and prioritizing defence resources are keys to resilient cyber operation. Advances in network attack modelling draws from probabilistic graph models, social network analysis, and simulation. This talk will provide an overview on some of these advances that enable predictive instead of reactive network defence.</p> <p>Panel Discussion</p> <p>Training the Future Cyber Security Workforce</p> <p>Panellists:</p> <p>Kathy Coultas, Director, ICT /Tech Sector Development, Victorian State Government</p> <p>LTCOL Lisa Davidson, Chief of Army Scholar 2016, Department of Defence</p> <p>Prof Saeid Nahavandi, Director, Institute for Intelligent Systems, Research and Innovation, Deakin University</p> <p>Dr Jan Newmarch, Academic Course Manager (ICT), Box Hill Institute</p> <p>Prof Vijay Varadharajan, Microsoft Chair Professor, Innovation in Computing and Director, Advanced Cyber Security Research Centre, Macquarie University</p>	<p>Surgical / Simulation Education</p> <p>Chair: Prof Debra Nestel, Professor of Simulation Education in Healthcare, Monash University</p> <p>621</p> <p>Comparison of the Non-Technical Skills of Surgical Trainees and Experienced Surgeons</p> <p>Nicholas Marlow, Royal Australasian College of Surgeons</p> <p>547</p> <p>Application of Advanced Surgical Simulation to a Limited-Resource Setting in a Developing Country</p> <p>Dr Ramesh Mark Nataraja, Monash Children's Hospital</p> <p>493</p> <p>MonitorMyHealth (MMH): Simulation for Telehealth Enabled Smart Cities</p> <p>Dr Sanjeev Naguleswaran, QSPeSpectral Systems</p> <p>539</p> <p>Does Immersive Simulation-Based Education (ISBE) Assist in the Demonstration of Understanding of the Importance of Teamwork and Communication in Healthcare for Senior Nursing Students Studying On-line</p> <p>Dr Jon Mould, Curtin University</p>	<p>Curriculum Development</p> <p>Chair: A/Prof Margaret Bearman, Director, Research HealthPEER, Monash University</p> <p>606</p> <p>Oral Presentation</p> <p>A Comparison Between Two Physiotherapy Clinical Placement Models Involving a Simulation Based Placement and a Traditional Placement: Is There a Difference in Student Competence Outcomes?</p> <p>Dr Penny Moss, Curtin University</p> <p>524</p> <p>Oral Presentation</p> <p>Investigating the Extent Highly Realistic Moulage Impacts on Learning Outcomes in Simulation-Based Learning Environments</p> <p>Brennen William Mills, Edith Cowan University</p> <p>573</p> <p>Oral Presentation</p> <p>Depth of Field: Exploring Ageing - Evaluation of a Digital Reflective Learning Resource</p> <p>Gabrielle Brand, The University of Western Australia</p> <p>641</p> <p>Oral Presentation</p> <p>A Hybrid Simulated Learning Module Combining Patient Centred-Simulation with an Adaptive Learning Platform: Student Perceptions and Impact on Clinical Placement Performance</p> <p>Dr Neil Tuttle, Griffith University</p>	<p>Simulated Patients</p> <p>Chair: A/Prof Debra Kiegaldie, Clinical Chair, Health Workforce and Simulation, Holmesglen Institute and Healthscope Hospitals</p> <p>475</p> <p>Oral Presentation</p> <p>Liminal Experiences of Culturally and Linguistically Diverse (CALD) Simulated Patients Revealed Through Narrative Analysis</p> <p>Karen Livesay, Victoria University</p> <p>566</p> <p>Oral Presentation</p> <p>Through the Looking Glass: Analysing the Inclusion of Children and Adolescent Simulated Patients in Simulation Based Nursing Education</p> <p>Andree Simone Gamble, Holmesglen Institute</p> <p>617</p> <p>Oral Presentation</p> <p>Using Simulated Digital Role Plays to Teach 'Soft Skills': A Decade of Learning from Experience</p> <p>Dale Linegar, Oztron Media</p> <p>647</p> <p>Oral Presentation</p> <p>Leading Our Future Doctors to Deliver Better Men's Health Care</p> <p>Dr Christine Fairbank, University of Melbourne</p>
Aft. Tea	1500-1530				
		Plenary 3			
		Joint Closing Plenary			
Session 4	1530-1630	<p>Simulation out of Balance</p> <p>Entertaining Hypothetical with selected Keynote and Invited Speakers.</p>	<p>Moderators:</p> <p>Julian van Dijk, Convenor, SimHealth and Dr Anjum Naweed, Scientific Convenor, SimTecT</p>	<p>Closing Remarks:</p> <p>Dr Mike Brennan, Chair, Simulation Australasia</p> <p>Todd Mason, Convenor, ISAGA</p> <p>Nicole Jones de Rooy, Convenor, SimTecT</p> <p>Julian van Dijk, Convenor, SimHealth</p>	

